Turny Evo

Autoadapt | Application tool and universal bracket

Front section | Middle section

EN Installation manual

Thank you for choosing a

Application tool and universal bracket from Autoadapt!

The manual that follows is an integral, important part of the product, providing you with information on how to perform accurate and safe installation of the product. Please read through the manual carefully before starting your work.

If you have any questions about your customer's adaptation, please feel free to contact Autoadapt. Your feedback is important to us. It helps us in our work of continuously improving our product and its installation. You can find more information about us and our range of car adaptation solutions by visiting www.autoadapt.com.

Once again, thank you for placing your confidence in our products!

Autoadapt

Safe vehicle adaptation solutions

For your safety Autoadapt products are designed and tested according to current directives and standards.

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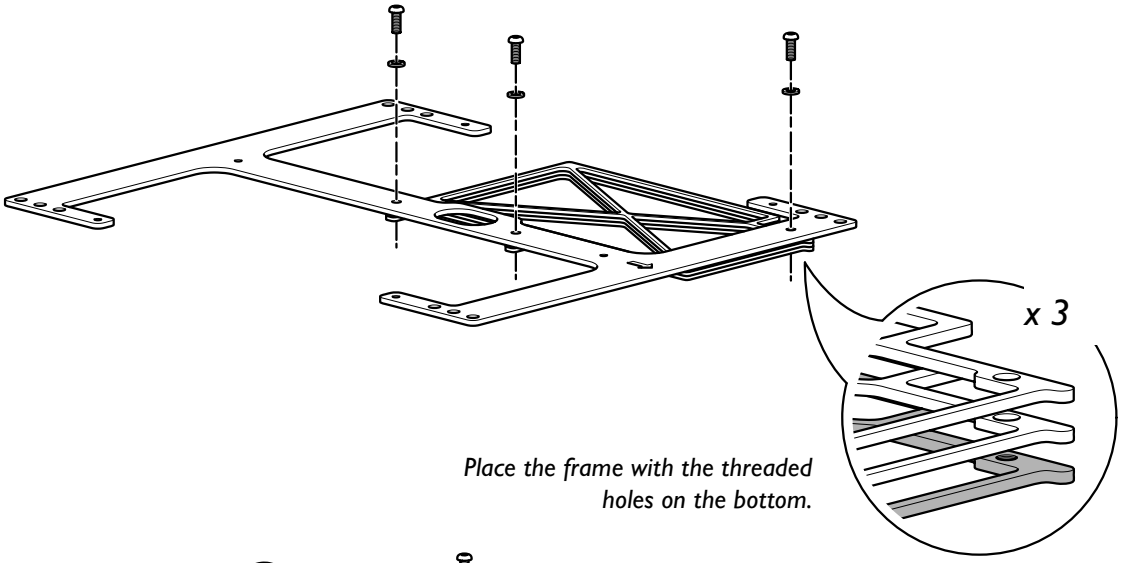
Assemble the application tool

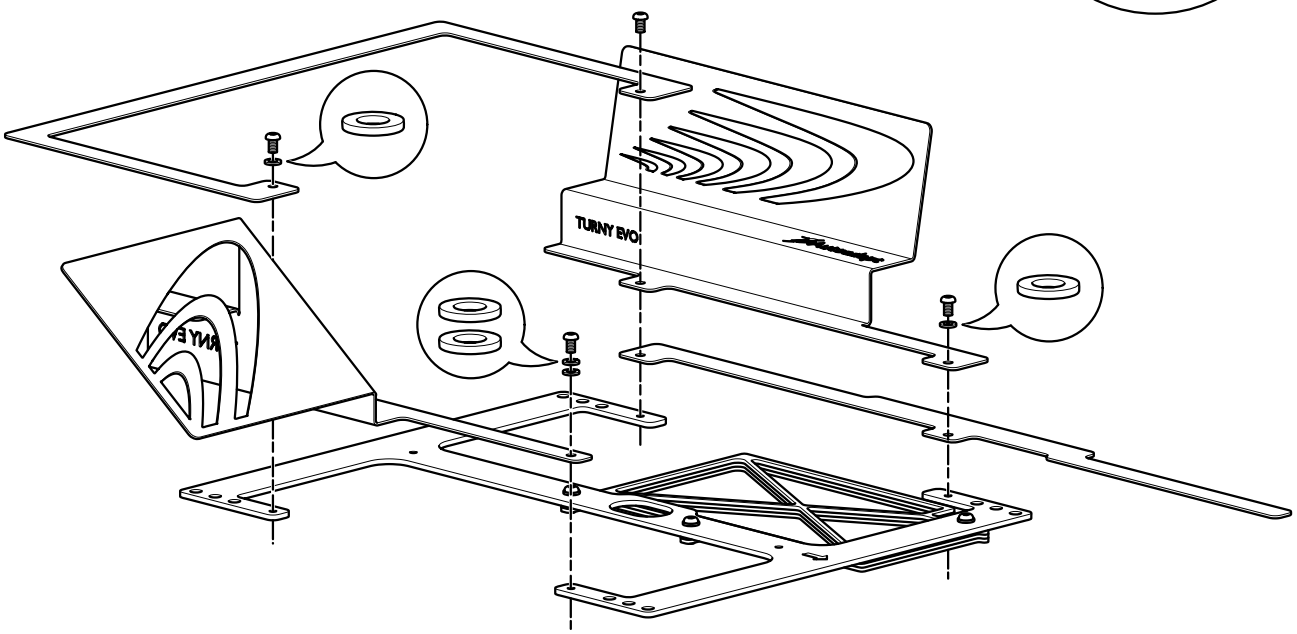
Right model

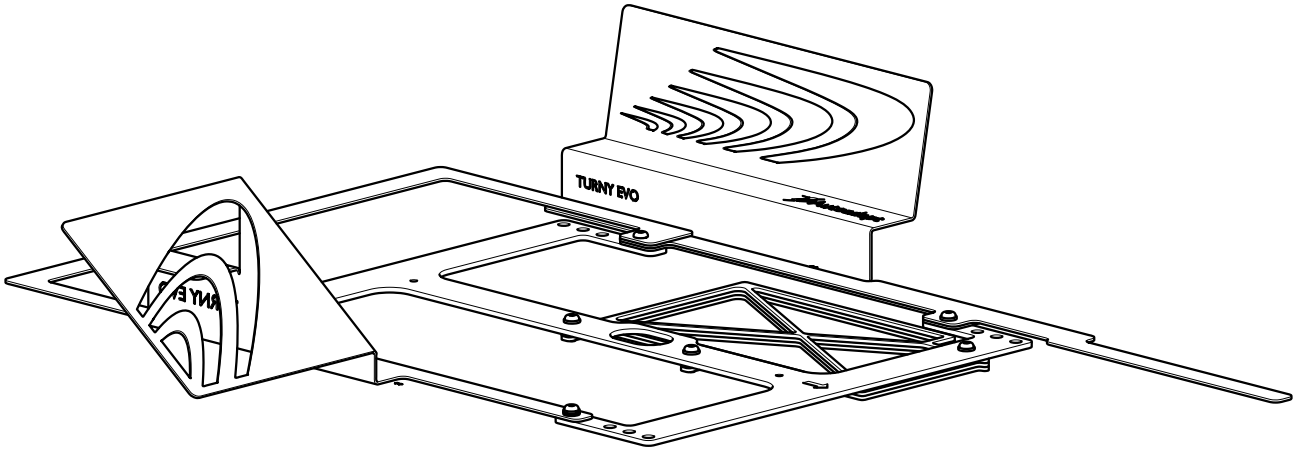
1.1



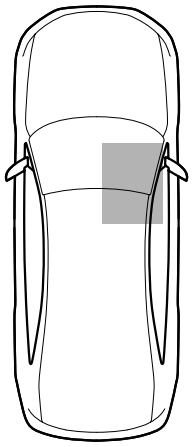
Place the frame with the threaded holes on the bottom.

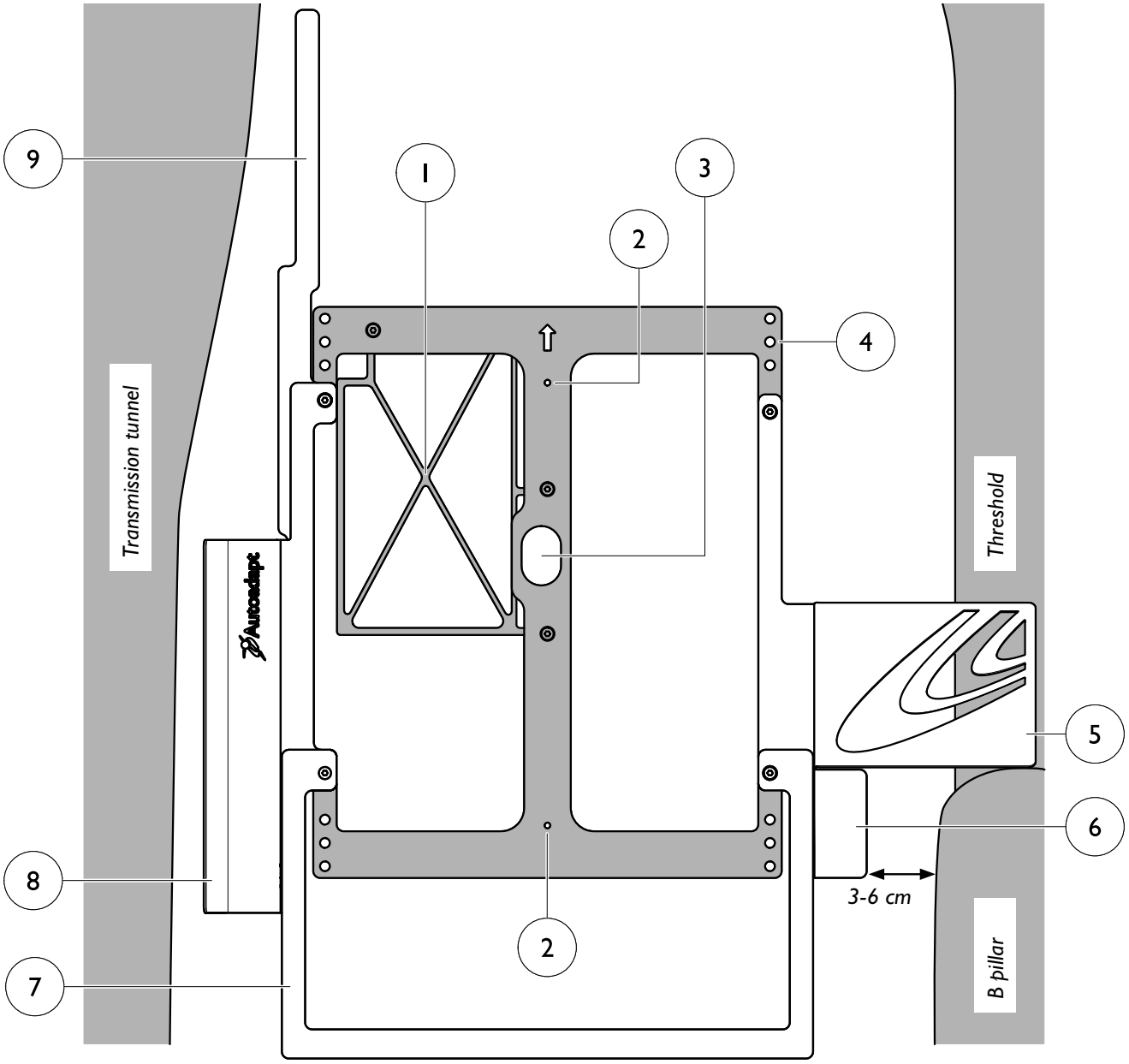
1.2





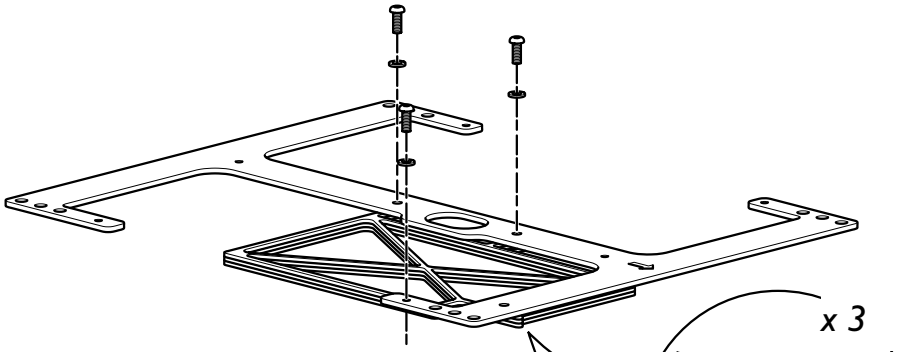
1. The grey-marked part of the application tool corresponds to the base plate of Turny Evo and the cross frame corresponds to the unit's crash segment. The cross frame must not rest on the L-profile bracket but must be placed at the side in order that the installation will be level and stable.
2. Holes which are prepared for Turny Low Vehicle. Not used for this installation.
3. Holes for cables that run out from Turny Evo.
4. Three attachment points in each corner for installing of Turny Evo on L-profile bracket.
5. Should be flush with B pillar and threshold when fitting the L-profile bracket.
6. Shows Turny Evo's position to the B pillar. The bigger the distance to the B pillar the earlier Turny Evo can be programmed to turn out.
7. Shows how much space is needed to run Turny Evo backwards in order to access the attachment points forward when installing on the L-profile bracket. Note that Turny Evo can run a further 10 cm backwards.
8. Shows Turny Evo's position to the transmission tunnel.
9. Shows Turny Evo's main programmable end position.

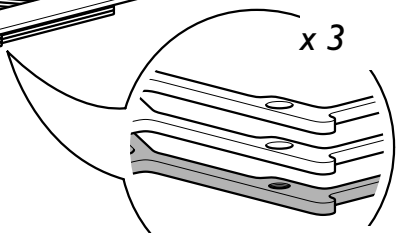




Left model

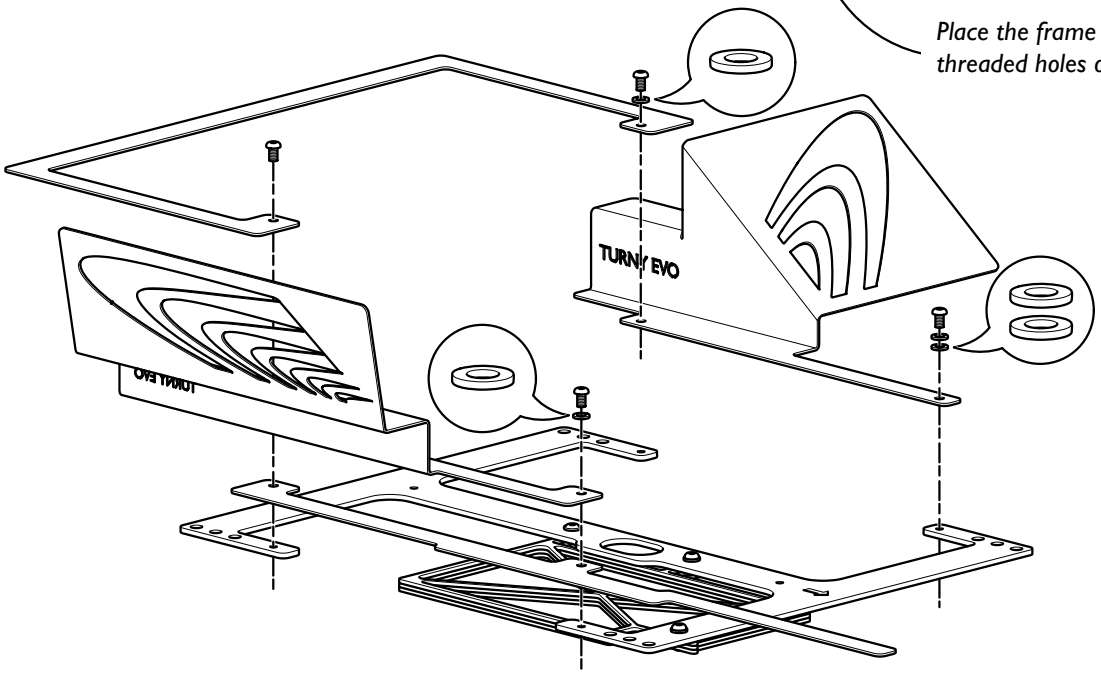
1.1

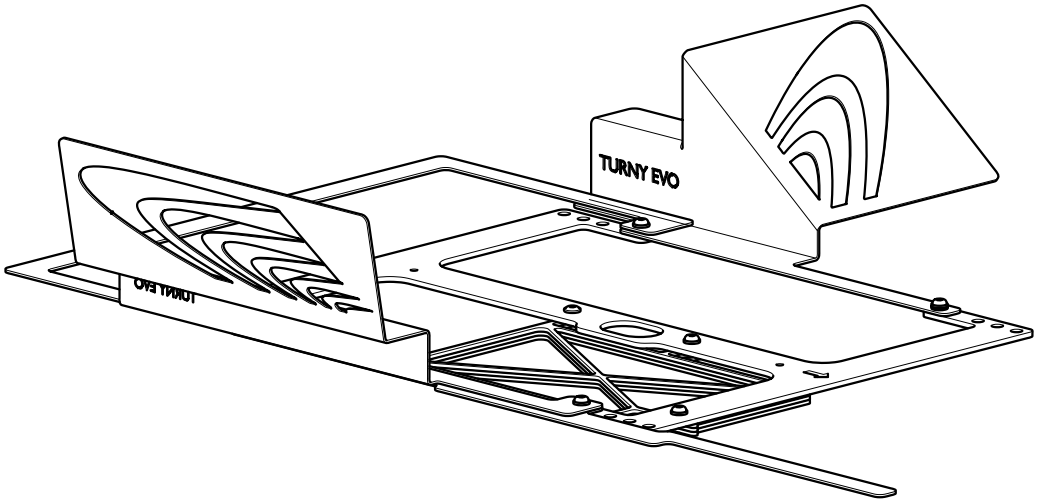




Place the frame with the threaded holes on the bottom.

1.2





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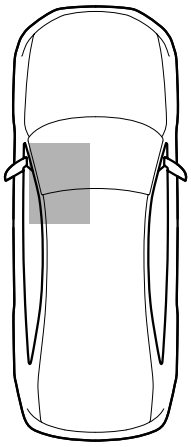
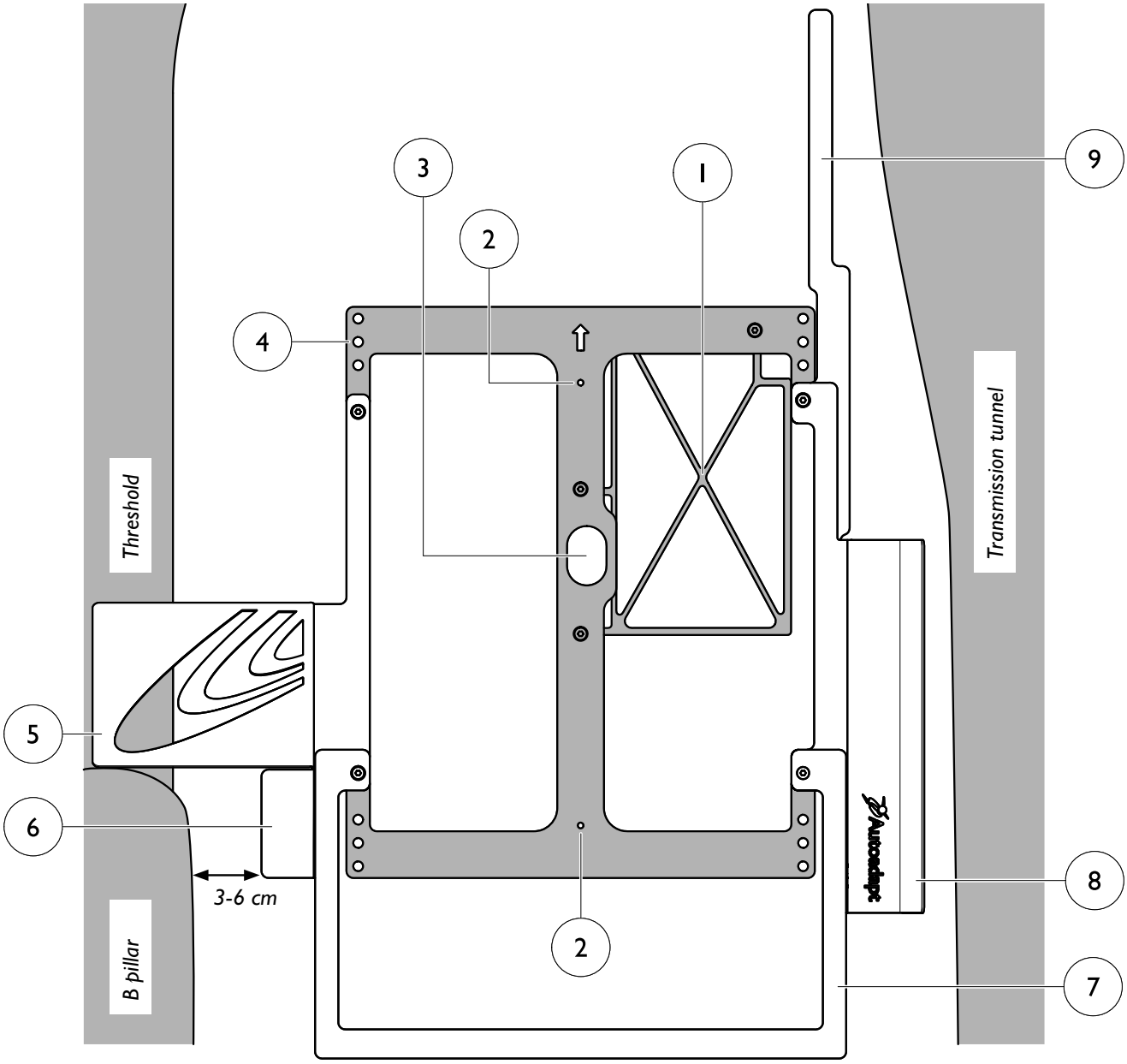




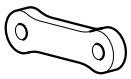
Adapt bracket for the car's front section

Box content

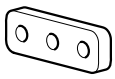
Under no circumstances is it permitted to weld in the construction. The bracket is only crash-tested and approved based on the installation procedure which are described in this manual.

x 20 Screw M8x20

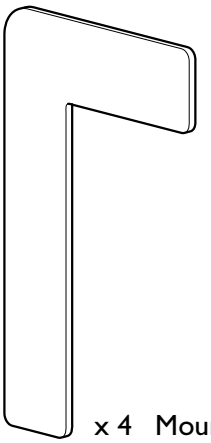
x 8 Washer 8.4x16x1.6



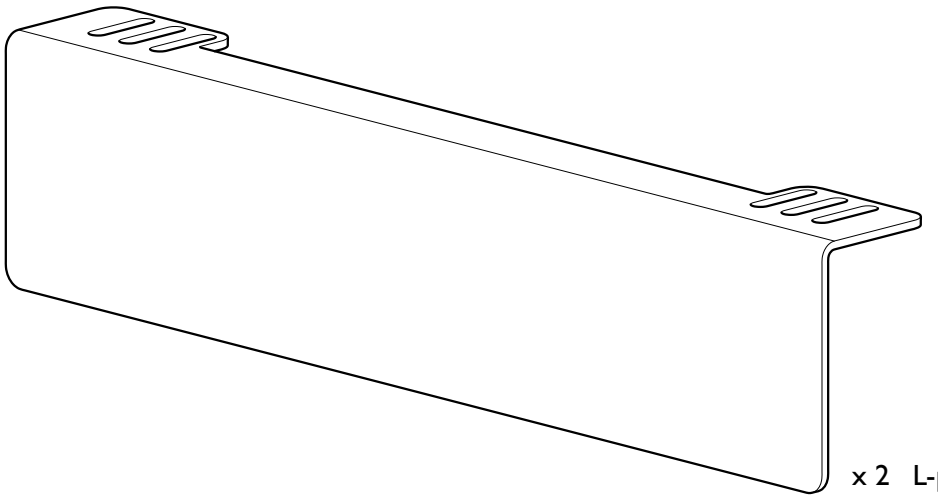
x 4 Two-hole nut



x 4 Three-hole nut



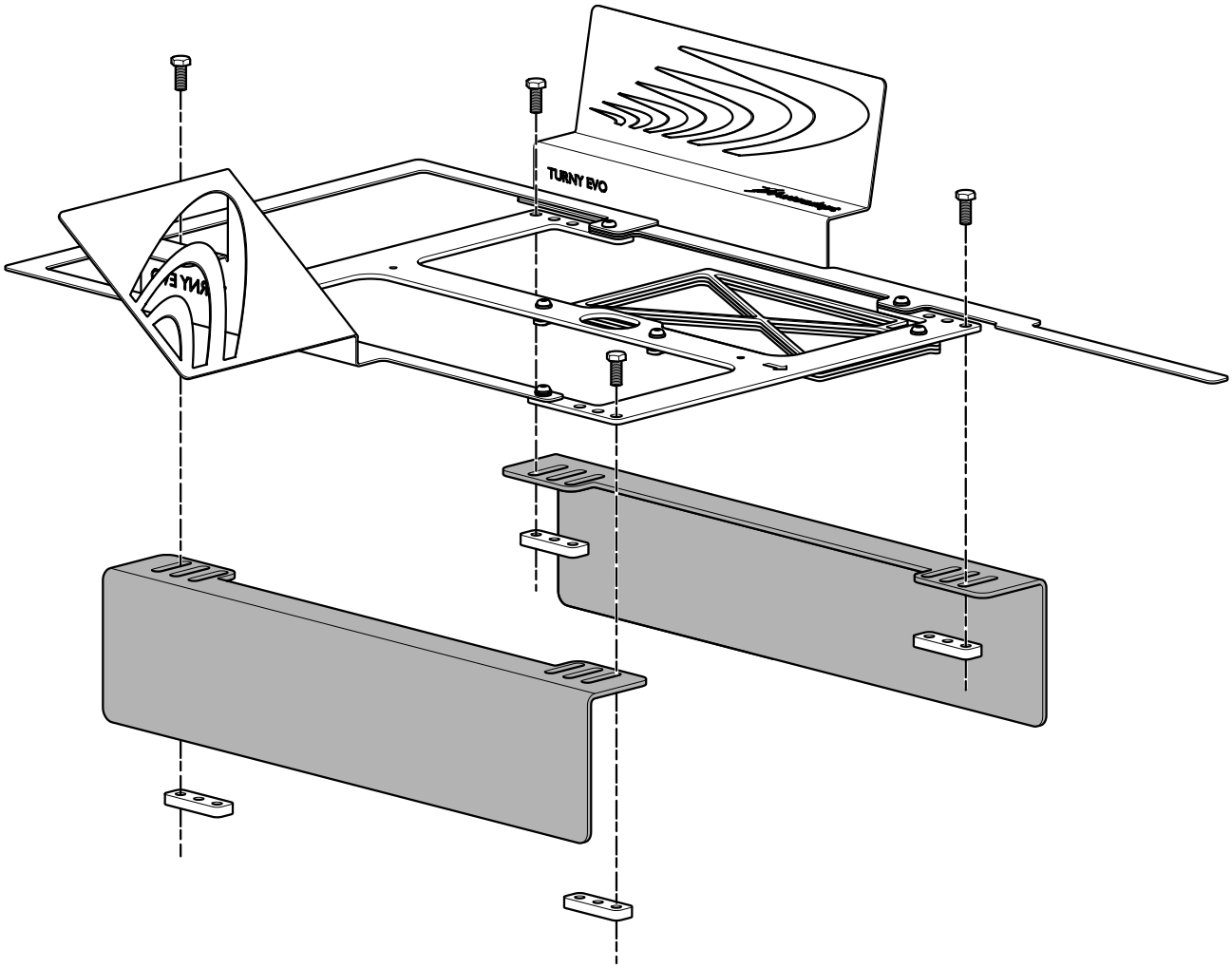
x 4 Mounting leg



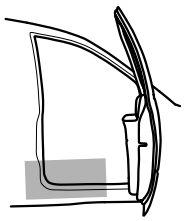
x 2 L-profile bracket

Position the application tool in the car

1 All instructions in this chapter show an installation of a right turning Turny Evo. The approach for a left swivelling unit is the same. Begin by installing the L-profile bracket to the application tool. Secure the screws loosely in order to be able to adjust the L-profile brackets position in place in the car.

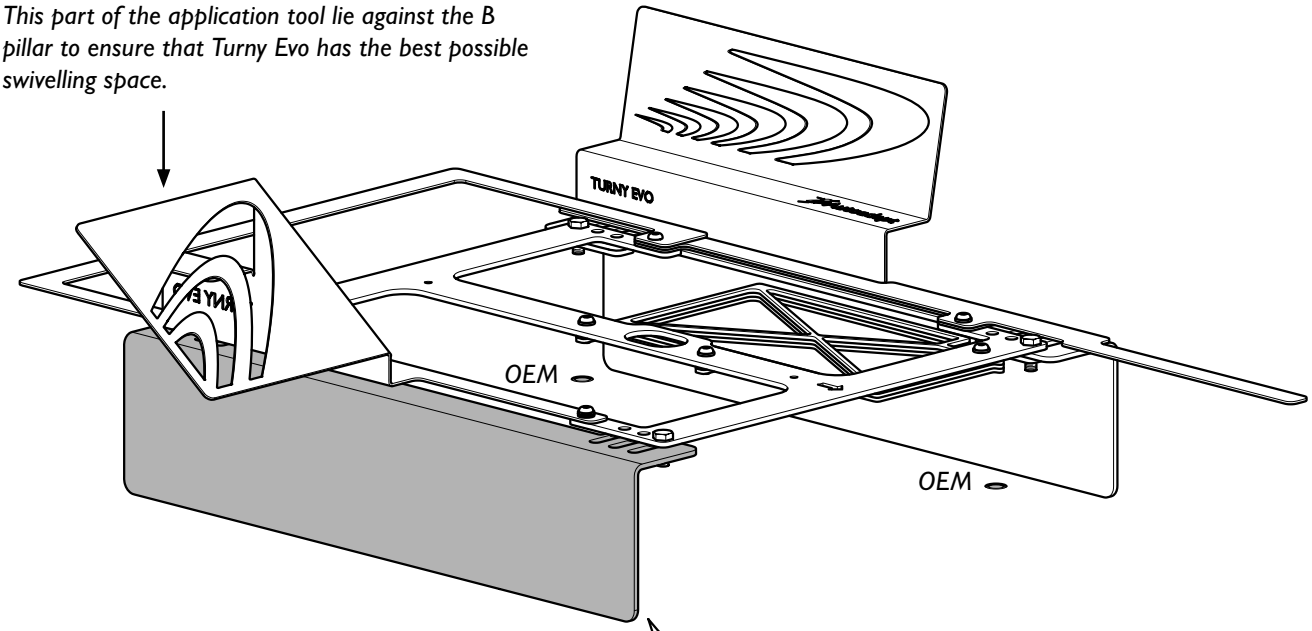


2 Place the application tool in the car and centre it above OEM seat attachment in the floor. Then adjust the L-profile brackets laterally. The distance between L-profile bracket and centre of OEM seat attachment must be between 15-45 mm in order that the installation will be stable. A distance of at least 15 mm at the same time ensures that the head of the screw will not take in the rounding of the bent leg when installing. By using the application tool ensure that there is sufficient space for Turny Evo movement paths. When required the L-profile bracket closest to the door can be laterally inverse to achieve an optimal position. The L-profile bracket closest to the transmission tunnel may not be turned round because it will then end up within Turny Evo's crash segment.

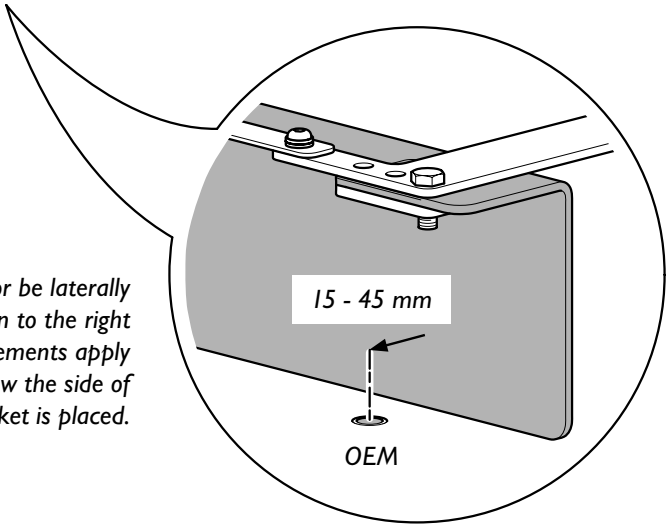


Strive to place the L-profile brackets as parallel with each other as possible. This may mean that OEM seat attachment ends up on both sides of the L-profile bracket which is a correct alternative solution.

This part of the application tool lie against the B pillar to ensure that Turny Evo has the best possible swivelling space.



The L-profile bracket closest to the door be laterally inverse when required as the illustration to the right shows. The specified distance measurements apply to all seat attachments no matter how the side of the L-profile bracket is placed.



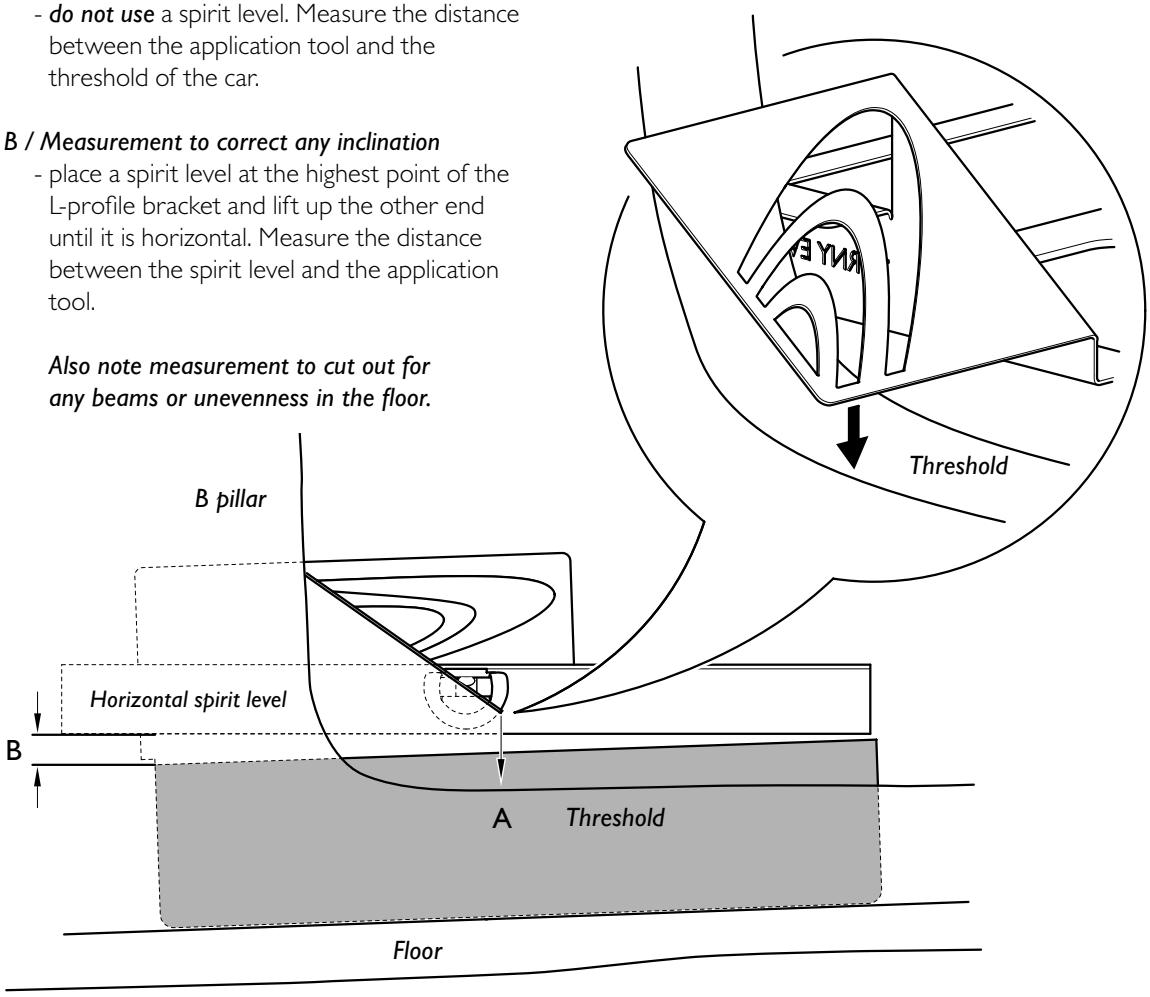
Adapt the L-profile brackets

1 The L-profile brackets must be cut to the correct installation height and adapted so it does not lean. If the right and left sides differ the L-profile brackets must be adapted separately. Also decide in this step how the leg will be adapted, see next page. Start the adaptation of the L-profile brackets by taking out the following measurements.

A / Measurement for adapting the height
- ***do not use*** a spirit level. Measure the distance between the application tool and the threshold of the car.

B / Measurement to correct any inclination
- place a spirit level at the highest point of the L-profile bracket and lift up the other end until it is horizontal. Measure the distance between the spirit level and the application tool.

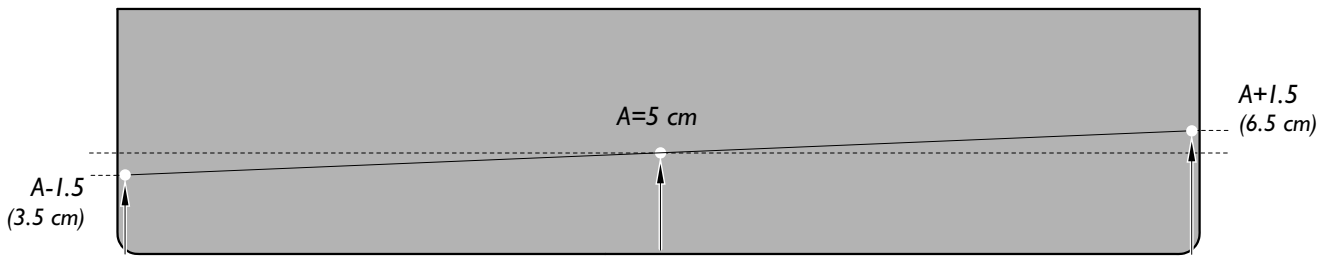
Also note measurement to cut out for any beams or unevenness in the floor.



2 Loosen the L-profile brackets from the application tool, mark out the measurement of the L-profile brackets and cut. Below is an example which shows how the mat should be marked out.

A = 4.5 cm
- add a further 0.5 cm to provide room for the L-profile bracket leg or mat.

B = 3 cm
- divide the measurement into two and subtract from or add to the A measurement to achieve the correct inclination.

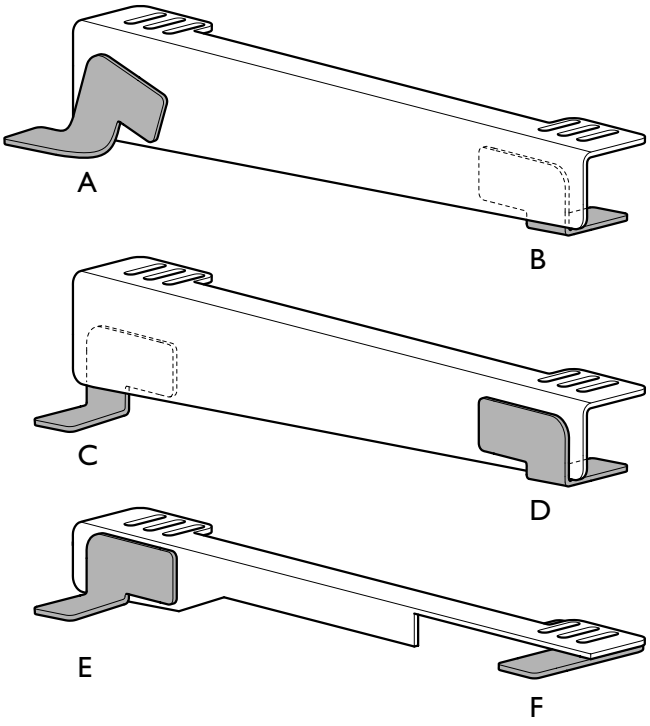


Adapt the mounting legs

1 Bend, turn and place the mounting leg based on the conditions that prevail in the car. The short part of the leg must however always be installed on the inside and outside of the L-profile bracket. Allow the conditions in the car combined with the aesthetics determine what is best. The design is very forgiving which simplifies the adaptation since there is some adjustment range in the installing itself.

To achieve a stable construction the mounting legs are placed as far from each other as possible, out towards the short sides of the L-profile bracket. Begin by deciding the leg's placement and then do the bending or twisting towards the seat adjustment. Keep in mind that the measurement between the L-profile bracket and centre of OEM seat attachment must be between 15-45 mm.

Example of an adapted mounting leg



A / The twisted leg that reaches out to an attachment that is slightly to one side.

B / The bent leg which is placed on the inside of the L-profile bracket so that it is not visible.

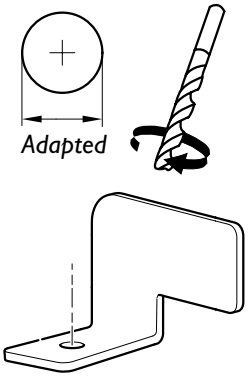
C / The bent leg which is used to regulate the height of the rear edge of the L-profile bracket.

D / The bent leg which is used as a spacer between the mat and L-profile bracket.

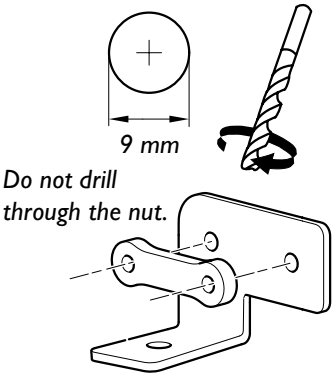
E / The bent leg which is placed on the outside of the L-profile bracket.

F / The flat leg which is placed under the L-profile bracket to bring it down to the height of the installation in the front edge.

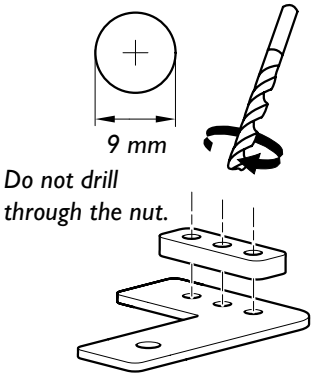
2 Drill holes in the dimensions which are adapted for OEM seat attachment. Centre the hole for the best strength.



Drill holes for phasing in the L-profile bracket. Use the two-hole nut as a template to mark out the hole's position.



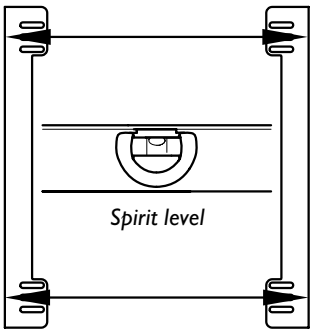
If option F is practised above, use the three-hole nut as a template to mark out the hole's position.



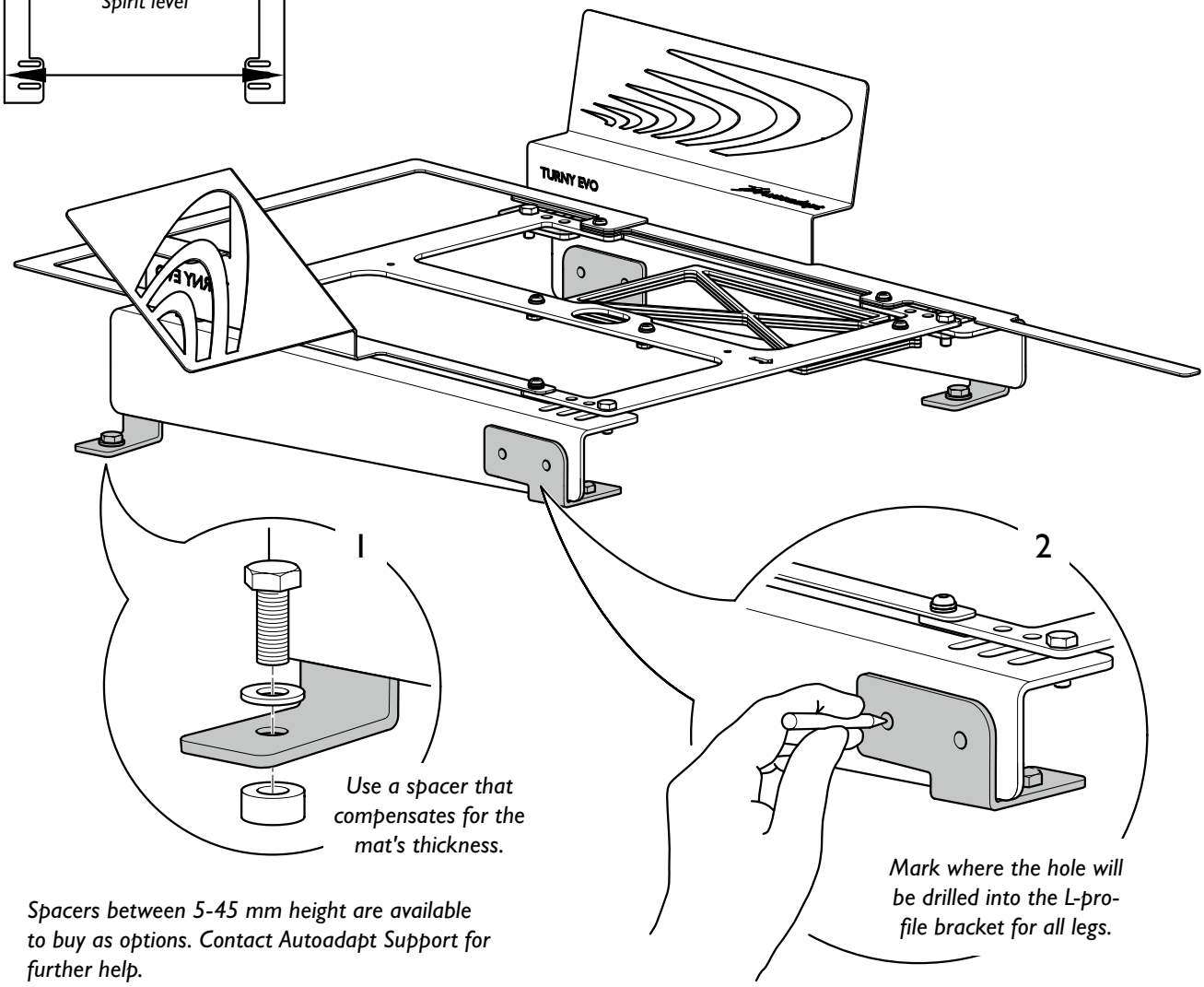
Install the bracket in the car

1 Install all mounting legs in OEM seat attachment in the floor. Use a spacer that compensates for the mat's thickness.

2 Attach the L-profile brackets to the application tool again and put it back into the intended position in the car. Mark where the hole for each mounting leg will be drilled into the L-profile bracket. Then loosen the L-profile brackets from the application tool and drill. Use 9 mm drill.



Use spirit level in steps 2 and 3 to ensure that the installation is level. A level installation is required in order for the product to work without problems.

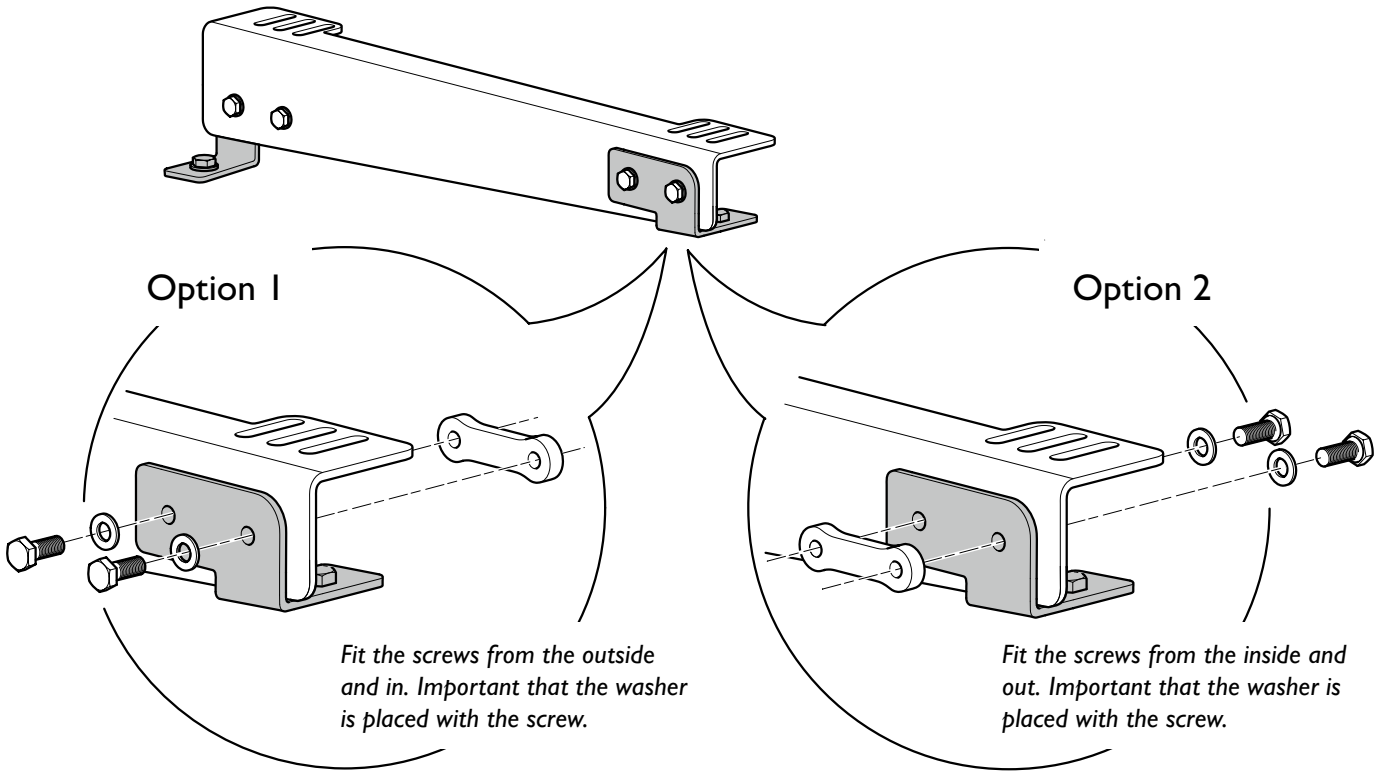


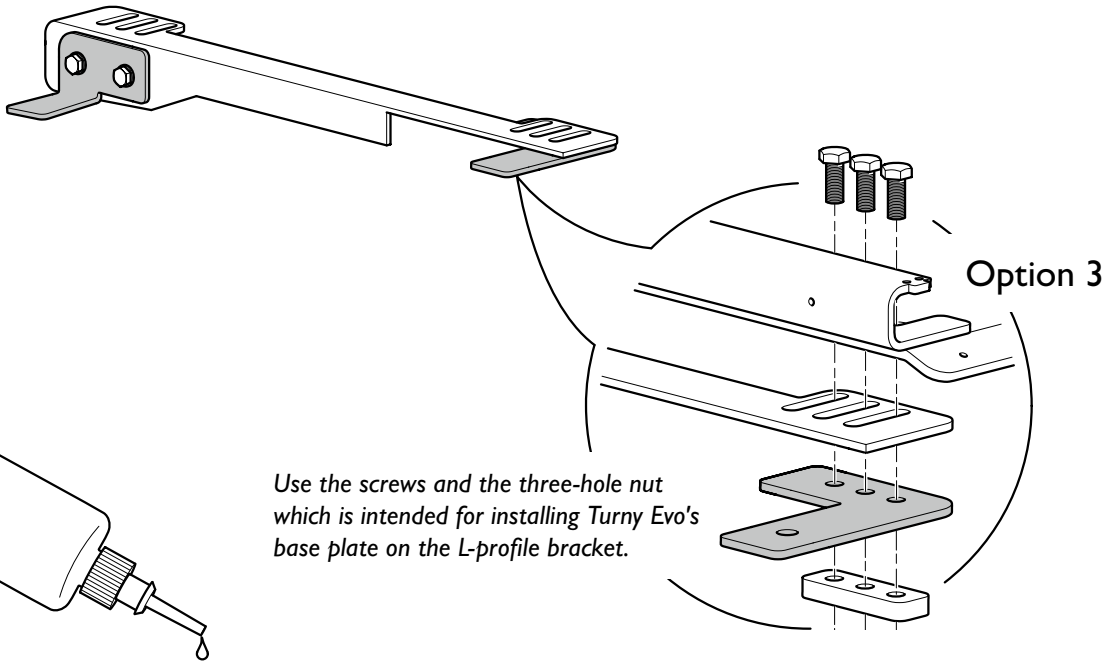
Use a spacer that compensates for the mat's thickness.

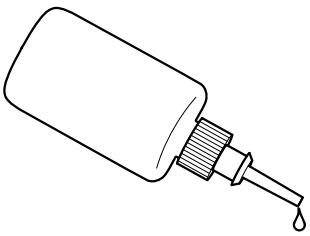
Spacers between 5-45 mm height are available to buy as options. Contact Autoadapt Support for further help.

Mark where the hole will be drilled into the L-profile bracket for all legs.

3 Install the L-profile brackets to the mounting legs. Options 1 or 2 applies to all types of bent and twisted legs. Option 3 only applies to flat legs.


Option 1
Option 2
Fit the screws from the outside and in. Important that the washer is placed with the screw.
Fit the screws from the inside and out. Important that the washer is placed with the screw.


Option 3
Use the screws and the three-hole nut which is intended for installing Turny Evo's base plate on the L-profile bracket.



Apply thread locking on all screw connections at the final installation.

Adapt bracket for the car's middle section

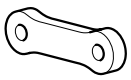
Box content

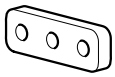
Under no circumstances is it allowed to weld in the construction. The bracket is only crash-tested and approved based on the installation procedure which are described in this manual.

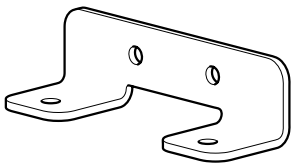
x 28 Screw M8x20

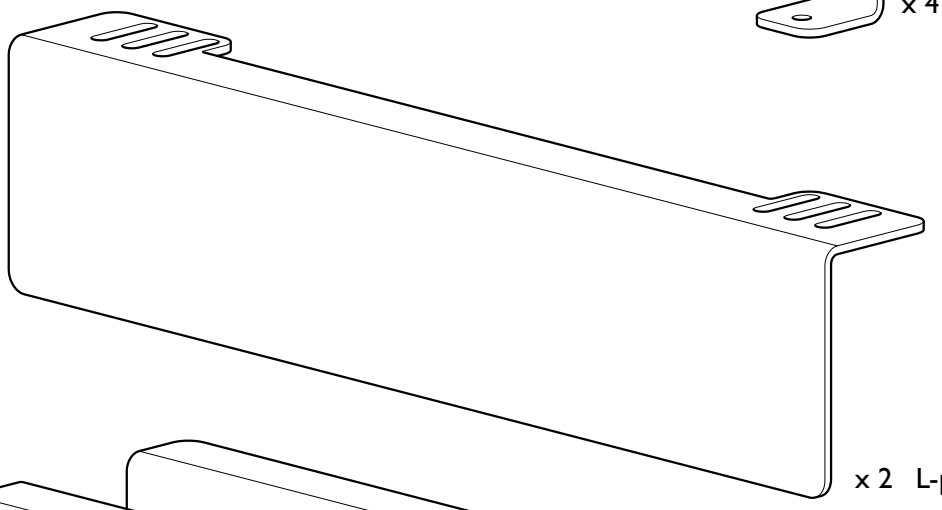
x 24 Washer 8.4x16x1.6

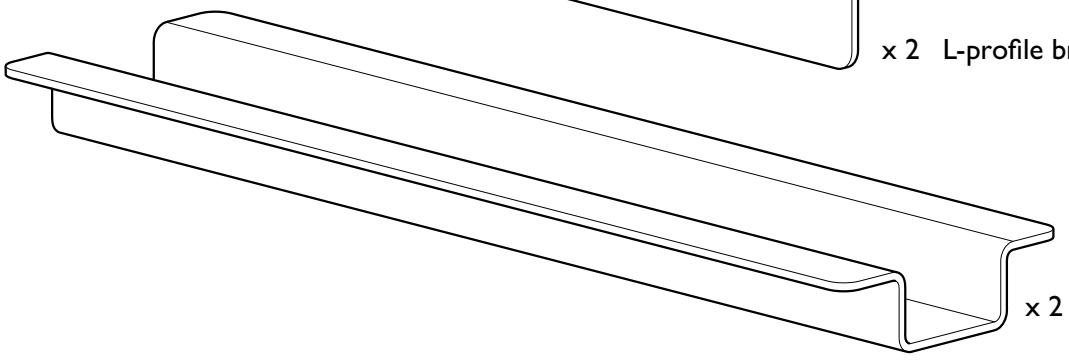
x 8 Hex lock nut M8


x 4 Two-hole nut


x 4 Three-hole nut


x 4 Mid bracket


x 2 L-profile bracket


x 2 Cross beam

Install the L-profile brackets of the application tool

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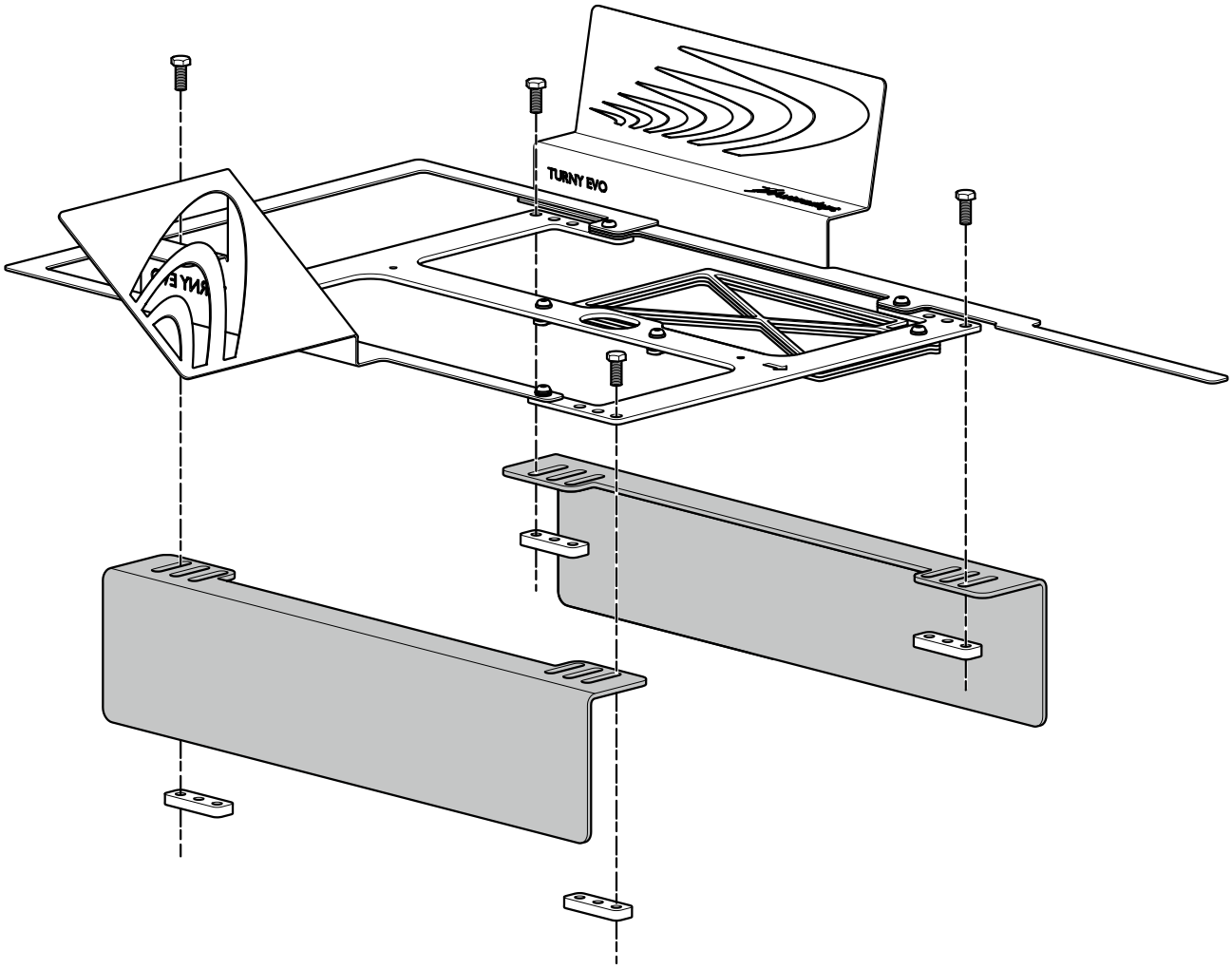
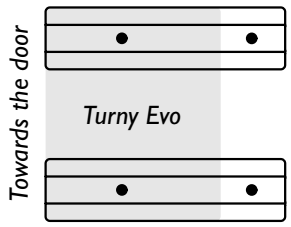


Under no circumstances is it permitted to weld in the construction. The bracket is only crash-tested and approved based on the installation procedure which are described in this manual.

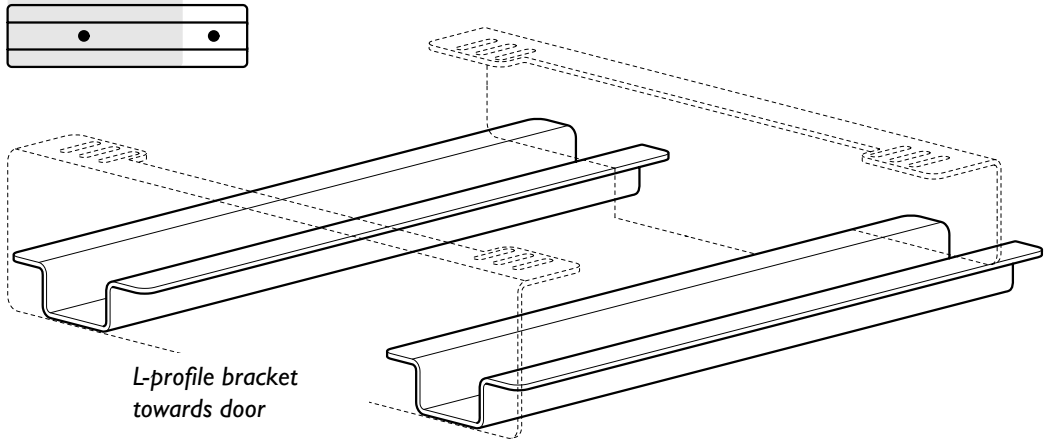
Install the cross beams and adapt the construction

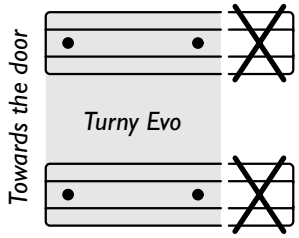
1 Place the cross beams above OEM seat attachment so that Turny Evo can be installed at the desired distance from the door. Use the application tool with the fixed L-profile brackets to find out which option below is relevant.



Option A

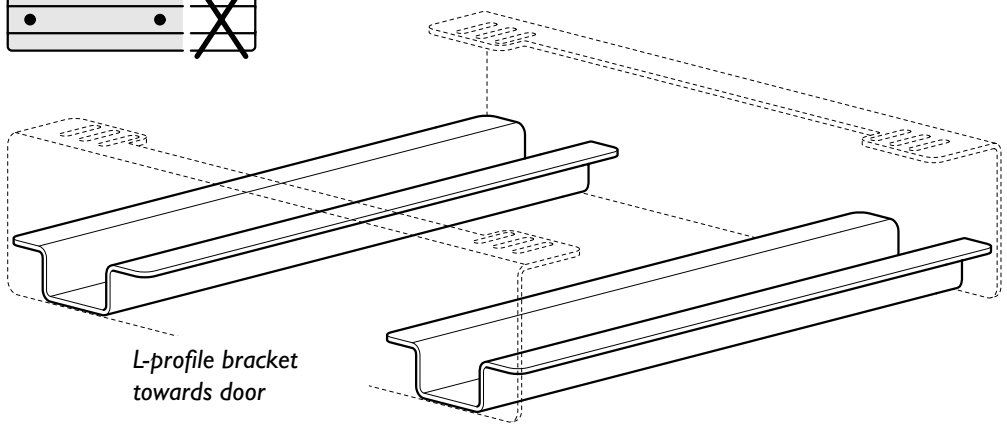
- OEM seat attachment ends up outside the attachment of Turny Evo. The L-profile bracket towards the door must be adapted for the cross beams.





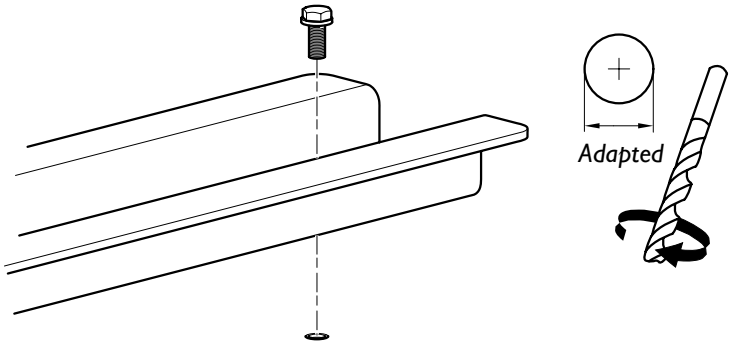
Option B

- OEM seat attachment ends up inside the attachment of Turny Evo. The cross beams can be shortened so that the L-profile bracket covers the whole side.



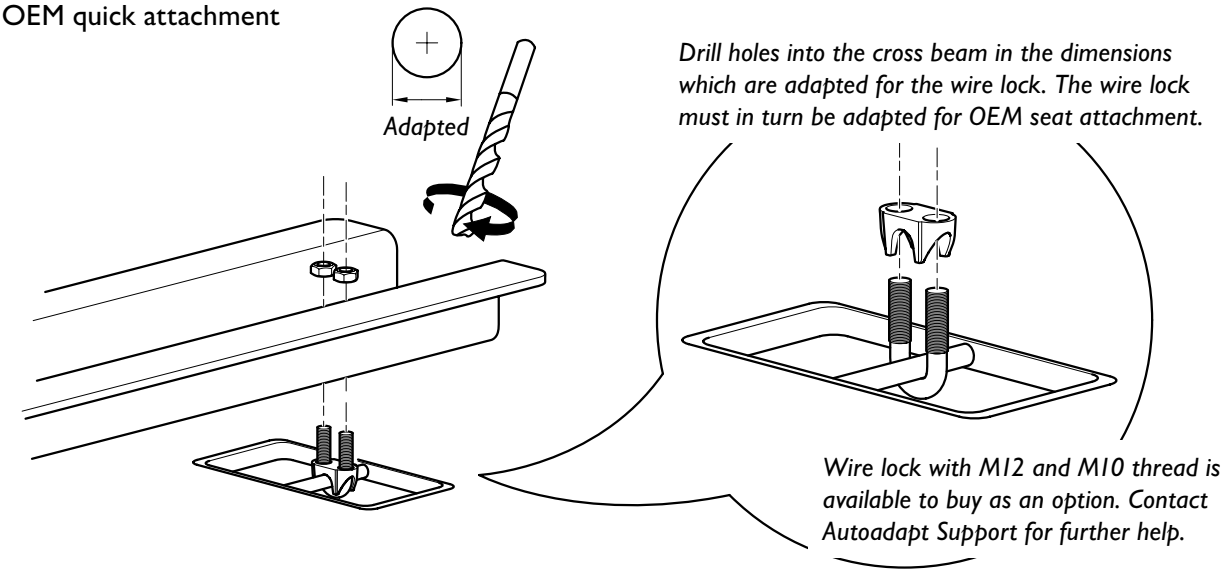
2 Install the cross beams according to the instructions that are relevant below. Then adapt the L-profile bracket or cross beams based on the option which is relevant on the previous page. Loosen the L-profile bracket from the application tool if it is to be adapted.

OEM floor attachment



Drill holes into the cross beam in the dimensions which are adapted for OEM seat attachment. Use OEM screw.

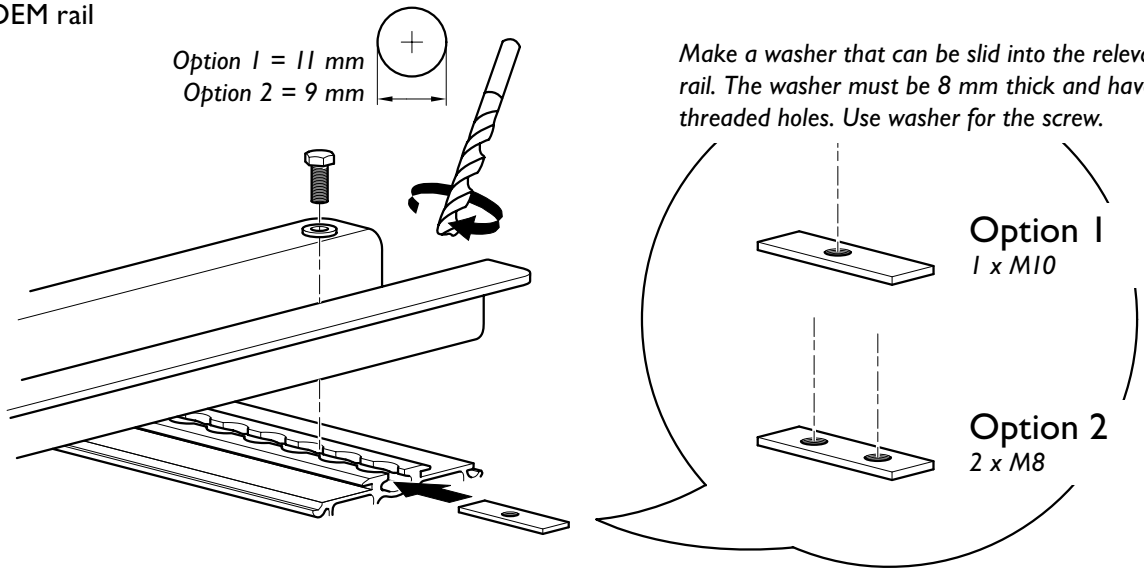
OEM quick attachment



Drill holes into the cross beam in the dimensions which are adapted for the wire lock. The wire lock must in turn be adapted for OEM seat attachment.

Wire lock with M12 and M10 thread is available to buy as an option. Contact Autoadapt Support for further help.

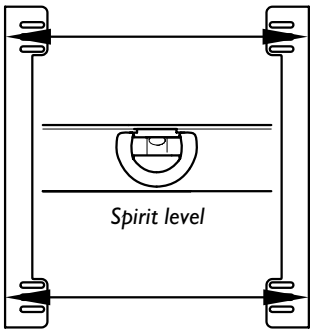
OEM rail



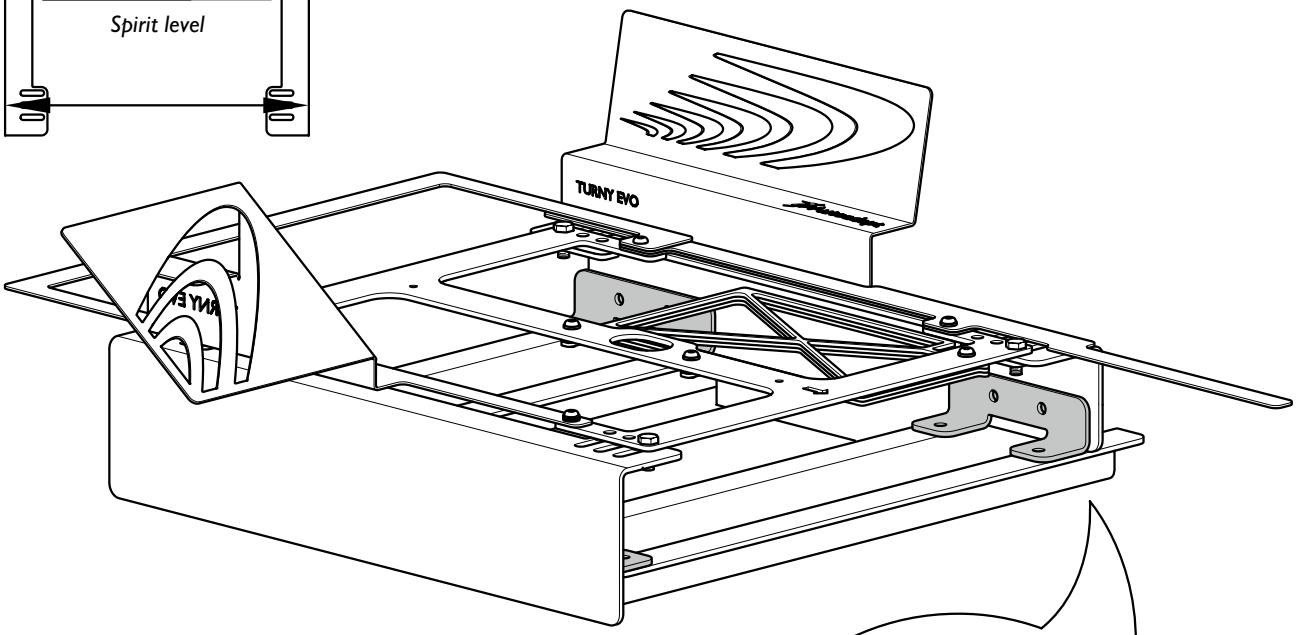
Make a washer that can be slid into the relevant rail. The washer must be 8 mm thick and have threaded holes. Use washer for the screw.

Install the bracket in the car

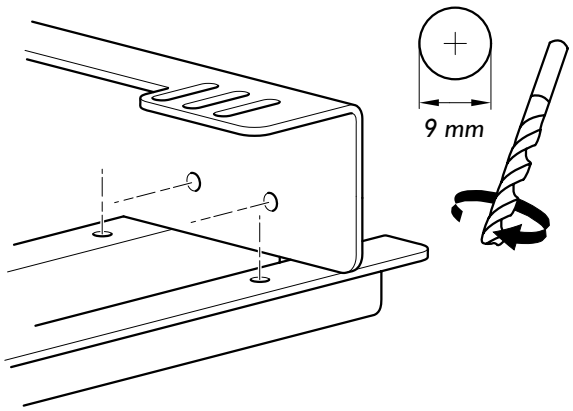
1 Remount the L-profile bracket onto the application tool if it has been adapted. Place the application tool on top of the cross beams and by using the tool ensure that there is sufficient space for Turny Evo paths. Adjust the L-profile brackets laterally where required. Mark each hole for each mounting leg to be drilled in the L-profile brackets and beams. Then loosen the L-profile brackets from the application tool and drill.

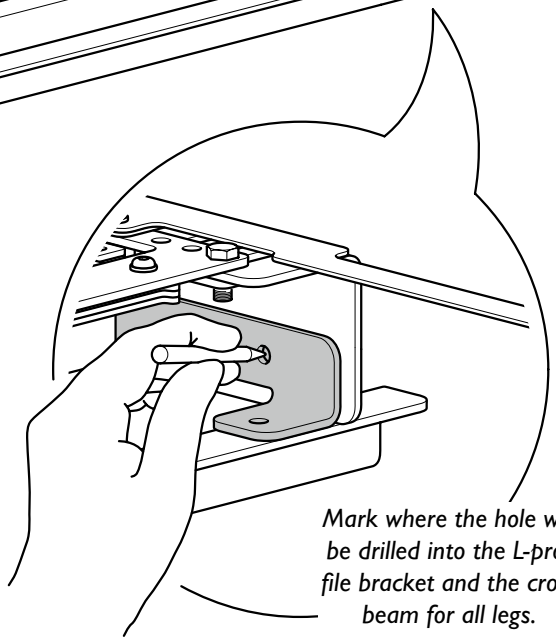


Use spirit level in steps 2 and 3 to ensure that the installation is level. A level installation is required in order for the product to work without problems.



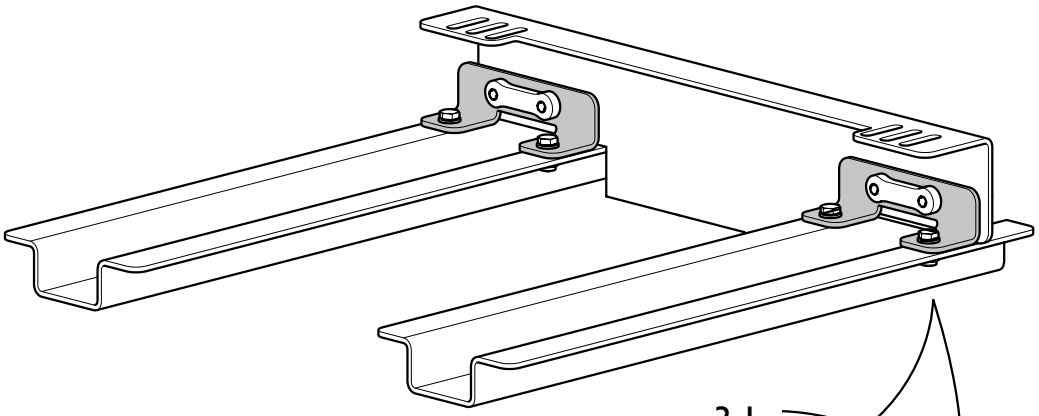
2 Drill two holes into the side of the L-profile bracket and two holes in the cross beam for each mounting leg.

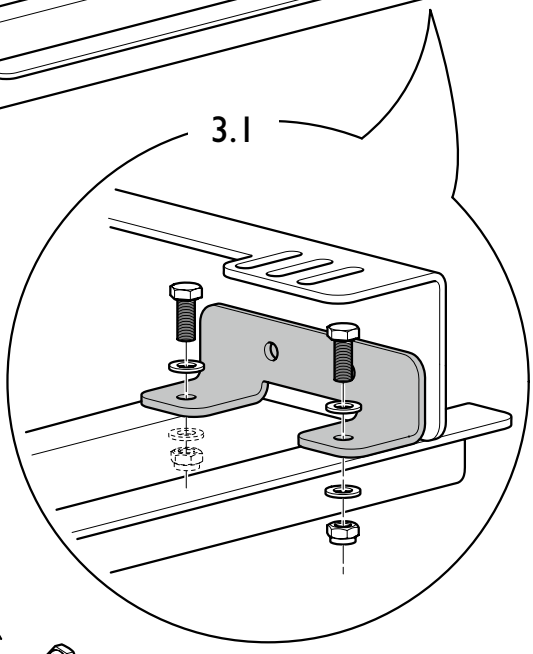


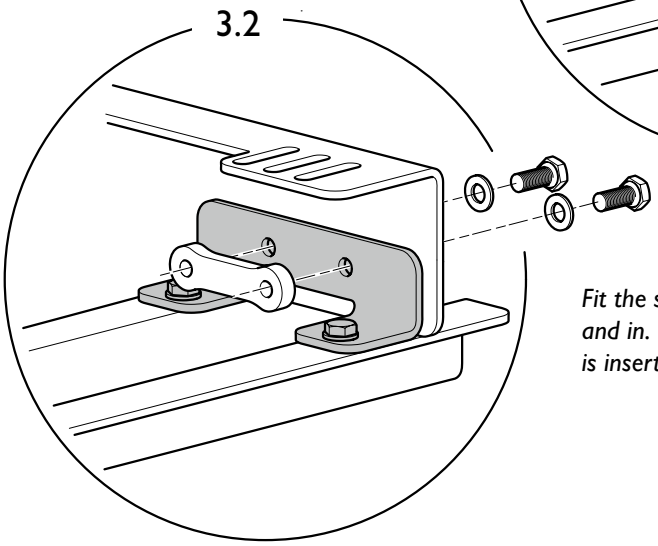


Mark where the hole will be drilled into the L-profile bracket and the cross beam for all legs.

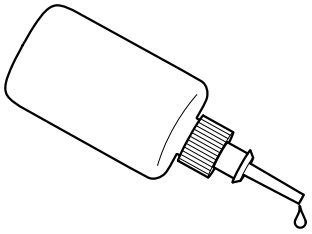
3 Install the L-profile brackets to the cross beams.







Fit the screws from the outside and in. Important that the washer is inserted with the screw.



Apply thread locking on all screw connections at the final installation.

Accredited by SWEDAC as testing laboratory in accordance with ISO/IEC 17025:2005
Quality system certified in accordance with ISO 9001:2008

Illustrations, descriptions and specifications in the user manual are based on current product information.
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